Application Serial No.: 10/790,687 Inventor(s): MUSSO et al. Attorney Docket No.: 108910-00123

AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A process for foaming polyurethanes comprising: adding to compositions used to make solid polymers azeotropic or near azeotropic foaming agent agents compositions as substitutes for CFC 11 to give a homogeneous foam having density of about 30 Kg/cm³, said foaming agent compositions based on di-fluoromethoxy-bis(difluoromethyl ether) and/or 1-difluoro-methoxy-1,1,2,2-tetrafluoroethyl difluoromethyl ether, said foaming agent compositions essentially selected from the group consisting of:

		Composition % by weight
IV)	difluoromethoxy	
	bis(difluoromethyl ether)	1-99
	(HCF ₂ OCF ₂ OCF ₂ H);	
	1,1,1,3,3-pentafluorobutane	99-1
	(CF ₃ CH ₂ CF ₂ CH ₃ , HFC 365mfc)	
V)	difluoromethoxy	
	bis(difluoromethyl ether)	1-40
	(HCF ₂ OCF ₂ OCF ₂ H);	
	1,1,1,4,4,4-hexafluorobutane	99-60
	(CF ₃ CH ₂ CH ₂ CF ₃ , HFC 365ffa)	

wherein the difluoromethoxy-bis(difluoromethyl ether) part <u>optionally</u> contains up to 40% by weight of 1-difluoromethoxy-1,1,2,2-tetrafluoroethyldifluoromethyl ether.

2. (Original) The process of claim 1, wherein said foaming agent compositions are selected from the group consisting of:

		composition
		% by weight
IV)	difluoromethoxy bis(difluoromethyl ether) (HCF ₂ OCF ₂ OCF ₂ H); 1,1,1,3,3-pentafluorobutane (CF ₃ CH ₂ CF ₂ CH ₃ , HFC 365 mfc)	10-98 90-2
V)	difluoromethoxy	

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bis(difluoromethyl ether)	10-40
(HCF ₂ OCF ₂ OCF ₂ H);	
1,1,1,4,4,4-hexafluorobutane	90-60
(CF ₃ CH ₂ CH ₂ CF ₃ , HCF 356 ffa).	

3. (Original) The process of claim 1, wherein said foaming agent compositions are selected from the group consisting of:

		composition % by weight
D)	difluoromethoxy	
	bis(difluoromethyl ether) (HCF ₂ OCF ₂ OCF ₂ H);	60 % by wt.
	1,1,1,3,3-pentafluorobutane (CF ₃ CH ₂ CF ₂ CH ₃ , HFC 365 mfc)	40 % by wt.
E)	difluoromethoxy	
-,	bis(difluoromethyl ether)	20 % by wt.
	(HCF ₂ OCF ₂ OCF ₂ H);	•
	1,1,1,4,4,4-hexafluorobutane	80 % by wt.
	(CF ₃ CH ₂ CH ₂ CF ₃ , HCF 356 ffa).	

- 4. (Original) The process according to claim 1, wherein said compositions are added in amounts in the range 1-15% by weight on the total preparation.
- 5. (Original) The process according to claim 1, wherein said compositions are used in combination with H₂O and/or CO₂.
- 6. (Currently Amended) The process according to claim 5, wherein the water amount is in the range 0.5-7 parts by weight on one [[or]] hundred parts of polyol.
- 7. (Original) The process according to claim 5, wherein the CO₂ amount is in the rage 0.6-10 parts by weight on one hundred parts of polyol.
- 8. (Original) The process according to claim 5, wherein stabilizers for radicalic decomposition reactions are added, the concentration of which is in the range 0.1-5% by weight with respect to the foaming agent.

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9. (Currently Amended) Polyurethane polymer foaming compositions comprising, as blowing agent substitutes of CFC-11 to give a homogeneous foam having density of about 30 Kg/cm³, foaming agent azeotropic or near azeotropic compositions selected from the group consisting of:

		composition % by weight
IV)	difluoromethoxy	
	bis(difluoromethyl ether)	1-99
	(HCF ₂ OCF ₂ OCF ₂ H);	
	1,1,1,3,3-pentafluorobutane	99-1
	(CF ₃ CH ₂ CF ₂ CH ₃ , HFC 365 mfc)	
V)	difluoromethoxy	
	bis(difluoromethyl ether)	1-40
	(HCF ₂ OCF ₂ OCF ₂ H);	
	1,1,1,4,4,4-hexafluorobutane	99-60
	(CF ₃ CH ₂ CH ₂ CF ₃ , HCF 356 ffa).	

wherein the diflouromethoxy-bis (difluoromethyl ether) parts <u>optionally</u> contains up to 40% by weight of 1-difluoromethoxy-1,1,2,2-tetrafluoroethyldifluoromethyl ether.

10. (Original) Polyurethane polymer foaming compositions according to claim 9 comprising foaming agent selected from the group consisting of:

		composition % by weight
D)	difluoromethoxy	
	bis(difluoromethyl ether) (HCF ₂ OCF ₂ OCF ₂ H);	60 % by wt.
	1,1,1,3,3-pentafluorobutane	40 % by wt.
	(CF ₃ CH ₂ CF ₂ CH ₃ , HFC 365 mfc)	·
E)	difluoromethoxy	
-,	bis(difluoromethyl ether) (HCF ₂ OCF ₂ OCF ₂ H);	20 % by wt.
	1,1,1,4,4,4-hexafluorobutane (CF ₃ CH ₂ CH ₂ CF ₃ , HCF 356 ffa).	80 % by wt.